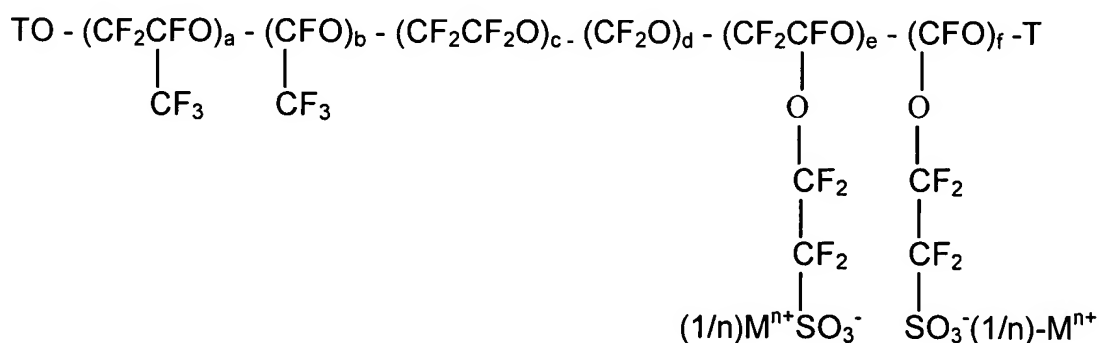


AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Original) Electrolytic compositions comprising a perfluoropolyether additive of formula (I):



wherein:

d, e, f are integers; a, b, c can be zero or integers; said units being statistically distributed along the chain, $a+b+c+d+e+f$ such that the number average molecular weight ranges from 500 to 5×10^5 , preferably from 1,000 to 50,000;

T are end groups selected from $-\text{CF}_2\text{X}$ ($\text{X}=\text{F}$, CF_3 , C1), $-\text{C}_3\text{F}_7$, $-\text{CF}(\text{CF}_3)\text{COO}^- (1/n)\text{M}^{n+}$, $-\text{CF}_2\text{COO}^- (1/n)\text{M}^{n+}$, $-\text{CF}_2\text{C}(\text{O}(1/n)\text{M}^{n+})_2\text{CF}_3$;

M^{n+} is a cation having valence $n=1-4$ selected from Li^+ , Na^+ , K^+ , Cs^+ , Mg^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , metal cations of the group IIIA such as Al^{3+} ; transition metal cations, such as Fe^{2+} , Fe^{3+} , Zn^{2+} , Ti^{4+} , Cu^{2+} ;

tetraalkylammonium NR_4^+ cations, trialkylammonium NR_3^+ cations, wherein R is selected from H, a linear or branched when possible C_1 - C_4 lower alkyl.

2. (Currently amended) Electrolytic compositions according to claim 1, wherein M^{n+} is a monovalent cation ($n=1$), ~~preferably $M=Li^+$.~~

3. (Previously Presented) Electrolytic compositions according to claim 1, furthermore comprising:

- one or more aprotic polar solvents;
- a conductive salt.

4. (Original) Electrolytic compositions according to claim 3, wherein the conductive salt cation is selected from the group comprising alkaline, alkaline-earth metals, trivalent metals, tetra-alkylammonium; the anion is selected from PF_6^- , ClO_4^- , AsF_6^- , BF_4^- , $(R_{f1}SO_2)(R_{f2}SO_2)N^-$, $R_{fv}SO_3^-$ wherein R_{f1} , R_{f2} , R_{fv} are independently selected from C_1 - C_4 perfluoroalkyl groups optionally containing heteroatoms.

5. (Currently amended) Electrolytic compositions according to claim 3, wherein the aprotic polar solvents are selected from 1,2-dimethoxyethane, 1,2-diethoxyethane, 1,3-dioxolane, 2-methyl-1,3-dioxolane, 4-methyl-1,3-dioxolane, tetrahydrofuran, 2-methyltetrahydrofuran, 1,4-dioxane, N,N-dimethylformamide, dimethylsulphoxide, ester carbonates such as dimethylcarbonate, diethylcarbonate, propylencarbonate, ~~ethylencarbonate~~ ethylene carbonate.

6. (Original) Electrolytic compositions according to claim 5, wherein the solvents are ester carbonates.

7. (Currently amended) Electrolytic compositions according to claim ~~[[1]]~~ 3, wherein ~~[[the]]~~ a concentration of conductive salt in the electrolytic solution is higher than 0.5 moles/litre, ~~preferably in the range 0.5-2 moles/litre.~~

8. (Currently amended) Electrolytic compositions according to claim 1, wherein the concentration of the perfluoropolyether additive is higher than 10 meq/litre (calculated as cation M^{n+}), ~~preferably in the range 10 meq/litre-500 meq/litre.~~

9. (Previously presented) Electrolytic compositions according to claim 1, wherein the ionic species are at least partially dissolved or dispersed in a matrix material.

10. (Original) Electrolytic compositions according to claim 9, wherein the matrix material is in the form of solid, liquid polymer, gel or porous membrane.

11. (Previously presented) Electrolytic compositions according to claim 9, wherein the matrix material in the form of solid polymer is selected from polyethylenoxide, polyesters, polyacrylates, polyvinylidenefluoride, polyacrylonitrile.

12. (Previously presented) Electrolytic compositions according to claim 9, wherein the matrix material in the form of porous solid membranes is selected from polyethylene, polypropylene having a surface tension in the range 28 - 35 mN/m (dyne/cm).

13. (Previously presented) Electrolytic compositions according to claim 1, wherein the perfluoropolyether additive of formula (I) is obtainable by conversion of the fluorosulphonyl groups $\text{-SO}_2\text{F}$ into $\text{-SO}_3\text{M}$ groups carried out on the homopolymers of the monomer $\text{CF}_2=\text{CFOCF}_2\text{CF}_2\text{SO}_2\text{F}$ or on the copolymers of said monomer with perfluoroolefins.

14. (Original) Electrolytic compositions according to claim 13, wherein the perfluoroolefins are tetrafluoroethylene and/or perfluoropropene.

15. (Currently amended) ~~Use of the electrolytic compositions according to claim 1, in electrochemical systems, such as lithium batteries~~ A method for improving the weattability of components of electrochemical systems comprising the preparation of the electrolytic composition of claim 1.

16. (Previously presented) Electrochemical system comprising the electrolytic compositions according to claim 1.

17. (Currently amended) Perfluoropolyether additives according to claim ~~[[1]]~~ 19.

18. (New) Electrolytic compositions according to claim 7, wherein the concentration of conductive salt in the electrolytic solution is in the range 0.5 - 2 moles/litre.

19. (New) Electrolytic compositions according to claim 2, wherein M is Li^+ .
20. (New) Electrolytic compositions according to claim 8, Electrolytic compositions according to claim 1, wherein the concentration of the perfluoropolyether additive is in the range 10 meq/litre - 500 meq/litre.
21. (New) The method according to claim 15, wherein the electrochemical systems are lithium batteries.